ABSTRACT

The invention relates to an ultrasound transducer for use in therapy or diagnostics. More particularly, it can be used successfully in lypolytic therapy. Said ultrasound transducer comprises different segments, which allows changing curvature radius and consequently focal distance. In this case, depth and volume in treating adipose tissue (lypolytic therapy) is controllable, which means tissue can be treated selectively. Use of the liquid bag between transducer and skin surface allows propagation of ultrasound waves to the target area. After identifying fatty tissue or lypolytic depth, ultrasound transducer must be adjusted for needed focal distance and deliver ultrasound energy for treatment